

Swami Vivekananda Institute of Management & Computer Science

Lesson Plan (for February, 2017)

Subject Name: Production & Operations Management

Subject Code: MB 204

Faculty Name: Neelangshu Ghosh

Lecture No	Part of the Syllabus	Objective
Lecture 1	Scheduling : Gantt Chart, Johnson's Rule	Learning the process of scheduling the jobs.
Lecture 2	Applications of Johnson's Rule, problems	
Lecture 3	Network Analysis: Project Management - Project Planning and Control Techniques - Project Scheduling Techniques	Discuss the responsibilities and role of a project manager. Understand the terms used in network based scheduling techniques. Describe the project evaluation and review technique (PERT) and critical path Method (CPM). Understand the computation of floats or slacks and critical path. Determine the probability of meeting scheduled date in PERT analysis. Discuss the concept of crashing of CPM networks.
Lecture 4	Critical Path Method (CPM) - CPM Time Analysis	
Lecture 5	Programme Evaluation & Review Technique (PERT) Determining Probability of Meeting Scheduled Date in PERT Analysis	
Lecture 6	Shortest path algorithms and their applications	
Lecture 7	Recap	Solving problems
Lecture 8	Test	

Lesson Plan (for February, 2017)

Subject Name: Quantitative Methods-II

Subject Code: MB 203

Faculty Name: Dr. Neelangshu Ghosh

Lecture No	Topic	Objective
1	Overview of statistics, Recapitulations	Learning the concepts of basic probability and random variables & their distributions, pmf
2	Some Probability distributions	
3	Problem solving discrete Probability distributions	
4	Discrete distributions- Binomial	
5	Expectation & Variance of Binomial distribution	
6	Discrete distributions- Poisson	
7	Expectation & Variance of Poisson distribution	
8	Problem Solving Binomial, Poisson	
9	Continuous distributions - Uniform, Exponential, Normal	Learning the concepts of continuous probability and random variables & their distributions , pdf
10	Problem Solving Normal Distribution –applications in market research	Learning Normal distribution and its properties.
11	Problem Solving Normal Distribution –applications in market research	
12	Recap	
13	Test	
14	Sampling Methods and Sampling Distributions (i) Statistics and Parameter (ii) Types of sampling - random and non-random sampling	Learning the process of sampling and its applications to different real life problems of Management, quality control & production.
15	Sampling distributions - conceptual basis; standard error; sampling from normal populations; Central Limit Theorem; relationship between sample size and standard error; Finite Population Multiplier	
16	Problem solving on sampling methods	